

DRIVER and COAR: from infrastructure to confederation

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UNIVERSITY OF
GOTHENBURG



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Credits

Several slides in this presentation were originally made/presented by other DRIVER partners:

- Dale Peters
- Friedrich Summann
- Norbert Lossau
- Paolo Manghi
- Wolfram Horstmann

Summary

DRIVER Overview

DRIVER Activities and Results

- DRIVER infrastructure and D-Net
- DRIVER Guidelines
- DRIVER Portal
- Community Building and Support
- Confederation Building

COAR

- Objectives
- Membership
- Launching

The „Berlin Declaration“ requests

Free and unrestricted access to sciences and human knowledge representation worldwide

(October 2003)

- ⇒ Needs a global, interoperable, trusted, long-term repository infrastructure
- ⇒ DRIVER (**D**igital **R**epositories **I**nfrastructure **V**ision for **E**uropean **R**esearch) has built the nucleus of this infrastructure

DRIVER's vision

All research institutions in Europe and worldwide
make all their research publications openly
accessible through institutional repositories

DRIVER History

- DRIVER (I), started 1 June 2006, ended 30 November 2007
- DRIVER II, started 1 December 2007, ends 30 November 2009

General Information: DRIVER II

- Duration: 24 months
- Budget: 2.7 m EUR
- Timeplan: 12/'07 -11/'09
- Main Deliverables:
 - ⊙ Digital Repository Infrastructure
 - ⊙ European Digital Repository Confederation
- Funded by the European Commission, “Research Infrastructure” Unit, FP 7
- Consortium Partners
 - ⊙ Univ.of Athens (GR)
 - ⊙ Univ. of Bielefeld (GE)
 - ⊙ CNR-ISTI (IT)
 - ⊙ STICHTING SURF (NL)
 - ⊙ Univ. of Nottingham (UK)



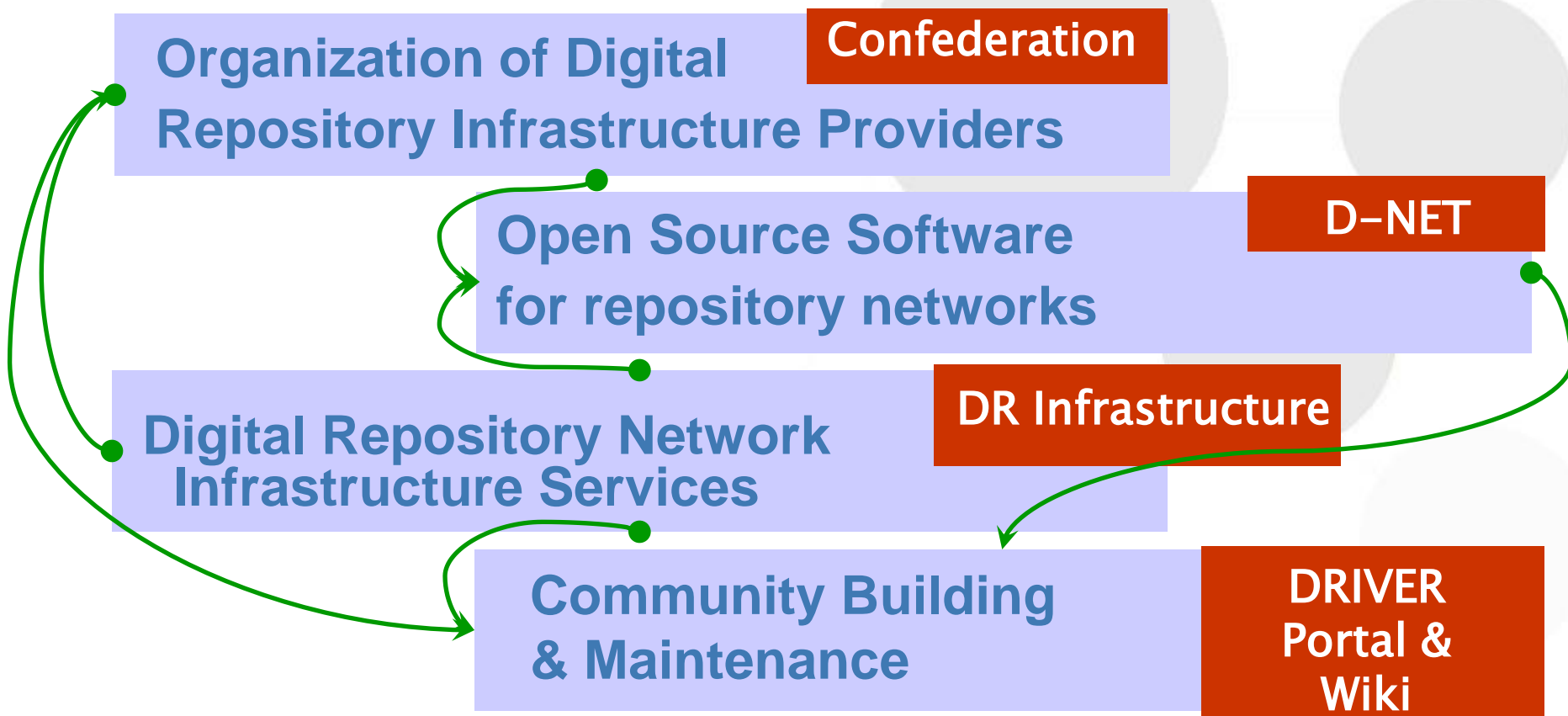
cont...

- ⊙ Univ. of Bath (UK)
- ⊙ Univ. of Warszawski (PO)
- ⊙ Univ. of Gent (BE)
- ⊙ Univ. of Goettingen (GE)
- ⊙ Danish Technical University (DK)
- ⊙ Universidade do Minho (PT)
- ⊙ Narodna in univerzitetna knjižnica (SLO)

DRIVER partners and related projects

- Networking, Support, Policy, Studies
 - ⊙ Göttingen, Nottingham, SURF, Genth, Ljubiljana, Minho, Copenhagen
- Technical development and deployment
 - ⊙ Athens, Bielefeld, Pisa, Warsaw
- Partners make links to many other things
 - ⊙ OA-services: Sherpa-ROMEO, OpenDOAR, BASE...
 - ⊙ Projects: Europeana, PEER, DELOS, DL.org, D4Science, PARSE-Insight, NESTOR...
 - ⊙ Orgs: DINI, JISC, LIBER, SPARC, KE ...
 - ⊙ Platforms: DSPACE/FEDORA/OPUS/ePrints

DRIVER II activity areas and outcomes



D-NET Software: DRIVER Network-Evolution-Toolkit

Version 1.0 released under the Open Source Apache License to the public on the 20 June 2008

The DRIVER Infrastructure Software includes:

- Repository network administration software (such as the *Repository Network Manager, Resource Monitoring*)
- End-user services (*Search, Browse, Profiling*)
- Support service to local repository managers and aggregators (*Validation Tool*)

Version 1.1 tested. Version 2.0 coming soon...

DRIVER Infrastructure

First implementation in operation: “DRIVER European Information Space (DEIS)”, maintained by the DRIVER Consortium

Supports three groups of users:

- 1. The repository network manager*
- 2. The service provider*
- 3. The researcher, reader, public*

DRIVER Infrastructure: Service-Oriented-Architecture

9

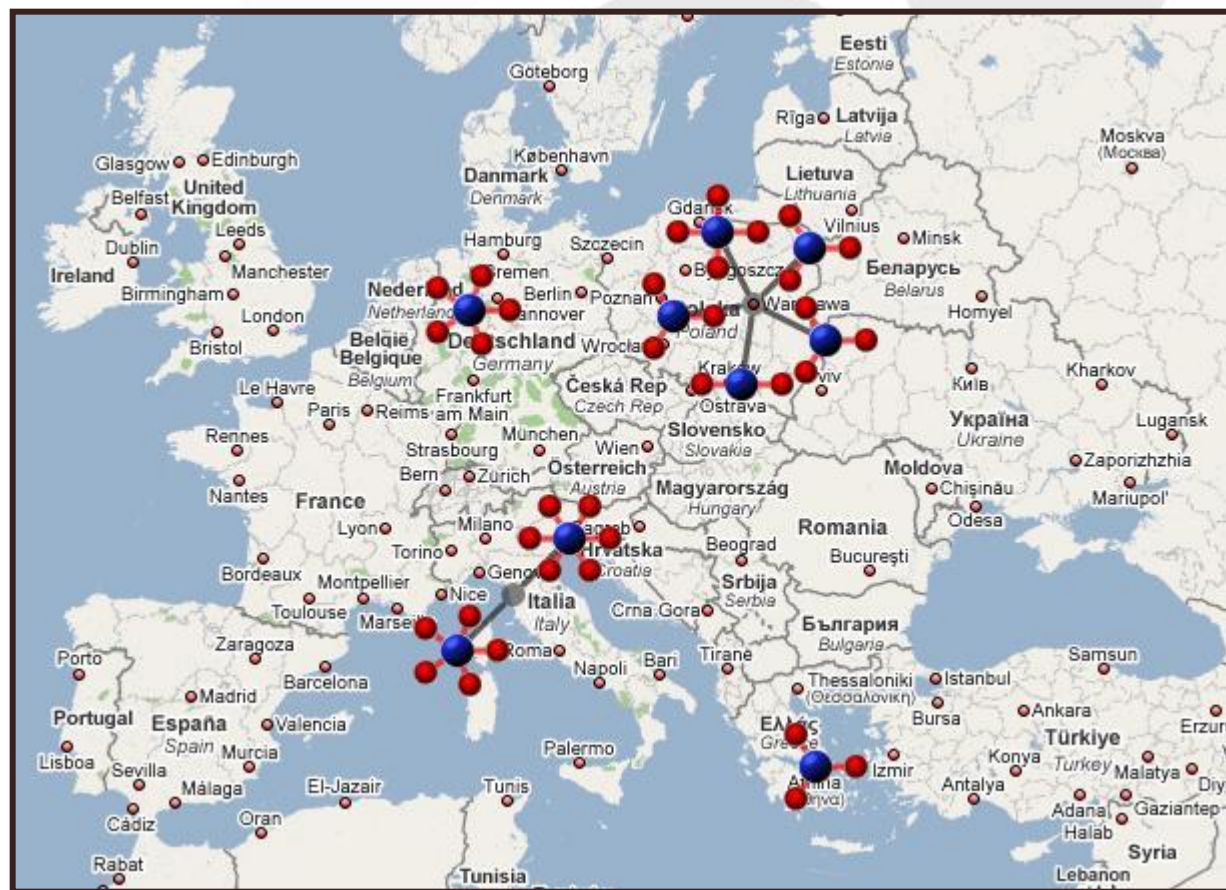
hosting
nodes

28+

Functionality
typologies
(services)

36

service
Instances



3 applications: DRIVER Main, Belgium, Spain-Recolecta

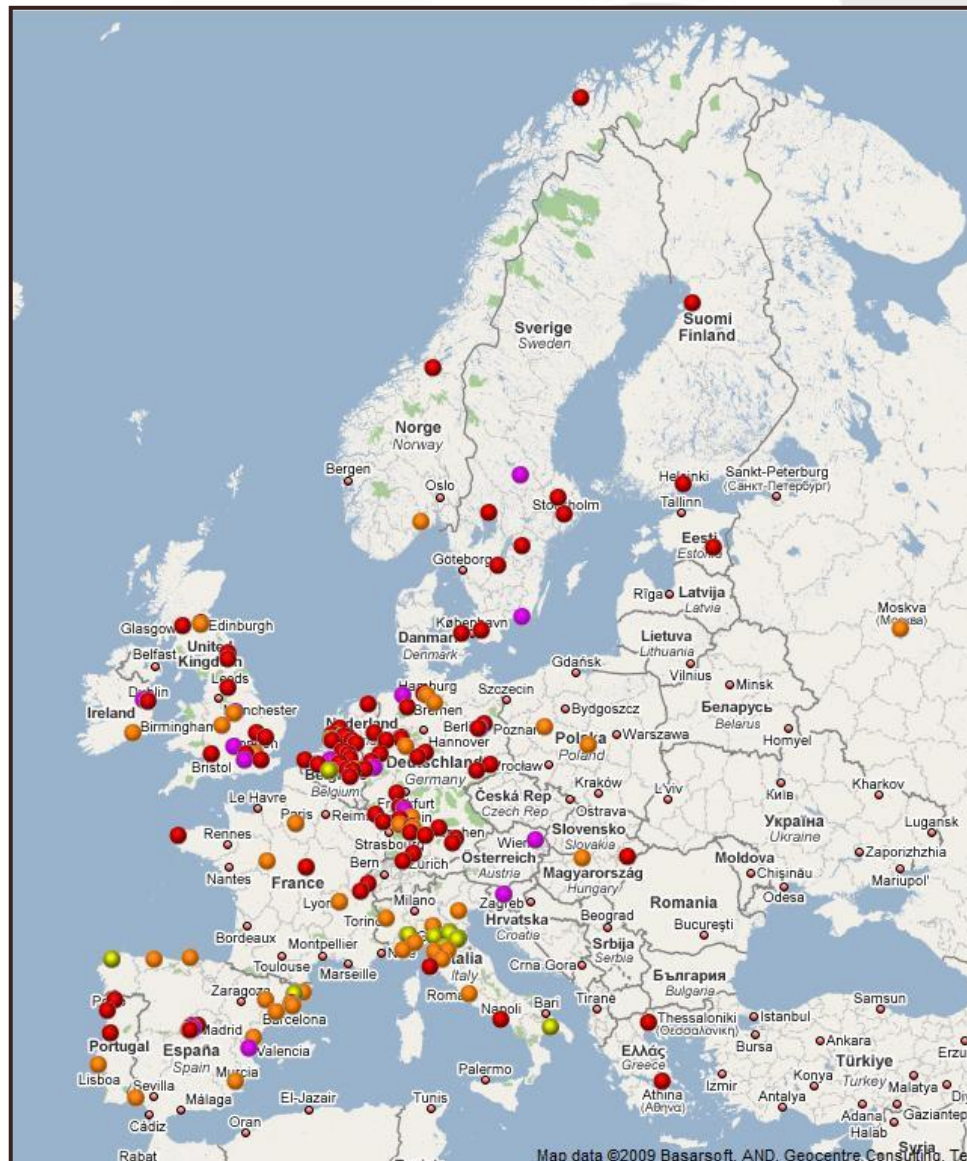
DRIVER European Information Space

250+
*harvested
repositories*

29
countries

1.000.000+
documents

25+
languages



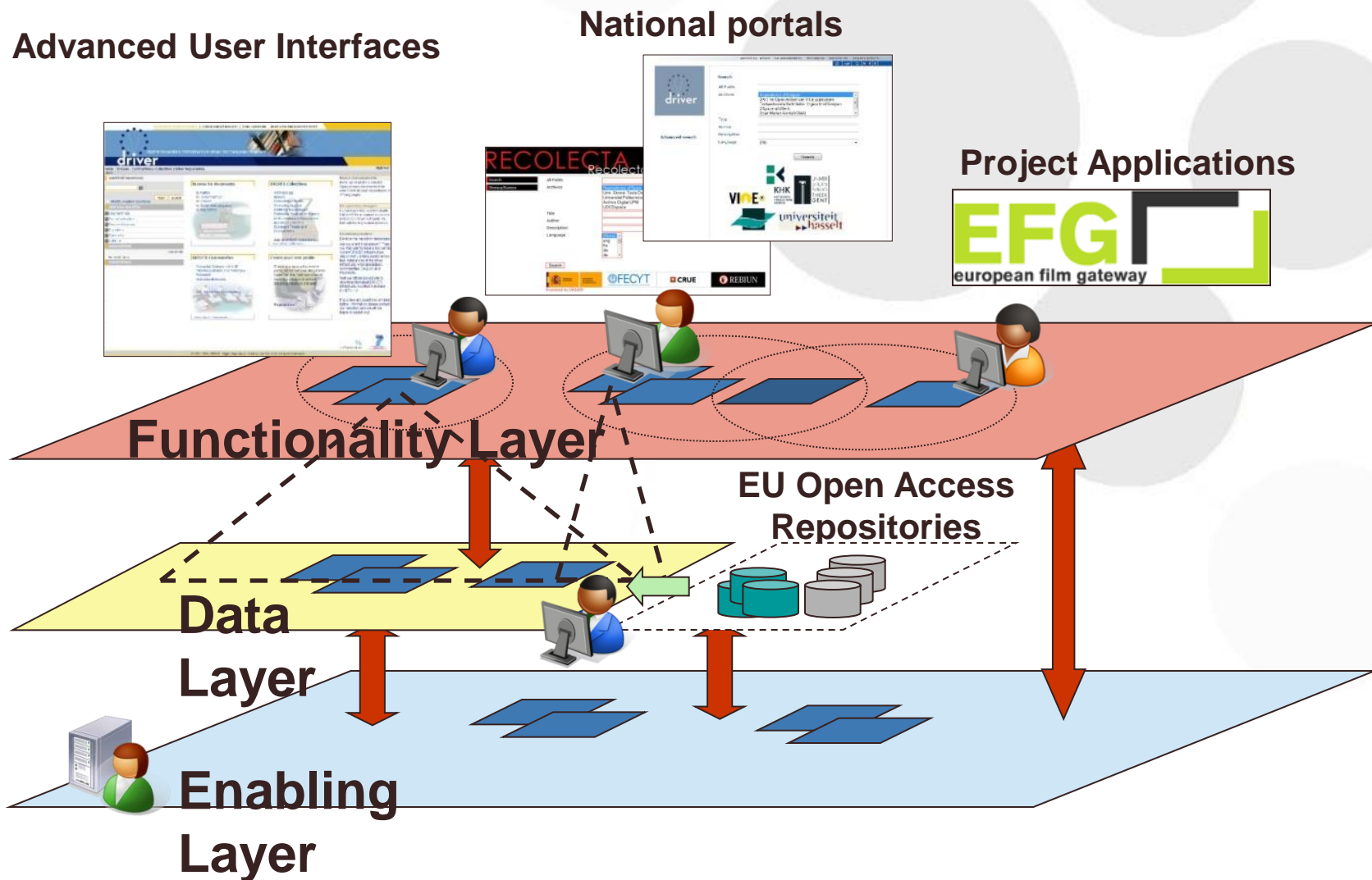
DRIVER Infrastructure

National portals

Advanced User Interfaces

Project Applications

Administrators
End users



DRIVER Infrastructure

For more information see Paolo Manghi's presentation on OAI6 DRIVER Tutorial

<http://www.driver-support.eu/linkspubs/drivertutorialOAI6.html>

DRIVER Guidelines – history

- Version 1 (Spring 2007)
 - ⊙ Expert Group

- Version 2 (November 2008)
 - ⊙ Expert Group
 - ⊙ Reviewers
 - ⊙ Editor Group

Why use the DRIVER Guidelines?

They „provide orientation“

- for managers of new repositories to define their local data-management policies
- for managers of existing repositories to take steps towards improved service
- for developers of repository platforms to add supportive functionalities in future versions

DRIVER GUIDELINES 2.0

- Chapter 1: Use of OAI-PMH
- Chapter 2: Use of Metadata OAI_DC
- Chapter 3: Use of Best Practices for OAI_DC
- Chapter 4: Use of Compound Object Wrapping
- Chapter 5: Use of Vocabularies and Semantics
- Chapter 6: Use of Quality labels
- Chapter 7: Use of Persistent Identifiers
- Chapter 8: Use of Usage Statistics Exchange
- Chapter 9: Use of Intellectual Property Rights (IPR)

DRIVER Guidelines in various languages



DRIVER Guidelines 2.0

Guidelines for content providers - Exposing textual resources with OAI-PMH

[November 2008]



[Guidelines for Repository Managers and Administrators on how to expose digital scientific resources using OAI-PMH and Dublin Core Metadata, creating interoperability by homogenising the repository output.]



DRIVER ガイドライン 2.0

コンテンツプロバイダのためのガイドライン
OAI-PMH を使用したテキストリソースの公開

[2008年11月]



[OAI-PMH と Dublin Core メタデータを使用してリポジトリ出力を統一化し相互運用性を持たせたデジタル科学リソースの公開方法に関するリポジトリ運営管理者のためのガイドライン]



1/142

status: final 2008-11-01



Digital Repository Infrastructure Vision for European Research

Directrices para proveedores de contenido

Exposición de recursos textuales con el protocolo OAI-PMH

Aplicación piloto

Versión 1.0

Colaboradores

Martin Feijen, Wolfram Horstmann, Friedrich Summann, Murial Foulonneau, K. Van Godzenhoven, Patrick Hochstenbach, Paolo Manghi, Gill Hubbard



Digital Repository Infrastructure Vision for European Research

Directrices para fornecedores de conteúdos

Exposição de recursos textuais com o protocolo OAI-PMH

Aplicação Piloto

Versão 1.0

Colaboradores

Martin Feijen, Maurice Vandenfaesten, Wolfram Horstmann, Friedrich Summann, Murial Foulonneau, Karen Van Godzenhoven, Patrick Hochstenbach, Paolo Manghi, Gill Hubbard



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For more information see..

www.driver-support.eu/managers.html



The screenshot shows the DRIVER website homepage. At the top, there is a navigation bar with links: SEARCH THE REPOSITORIES, LEARN ABOUT DRIVER, FIND SUPPORT, and REGISTER YOUR REPOSITORY. Below this is a header with the DRIVER logo and the text "Digital Repository Infrastructure Vision for European Research". A sidebar on the left contains links for Home, Information for... (Researchers, Institutional Staff, Funding Agencies, Repository Managers, Publishers, Others), Learn about... (Monitoring Service, News & Events, FAQ, Links & Publications, DRIVER Wiki, Contact Us), and Home > About DRIVER. The main content area is titled "Repository Managers" and contains text about the DRIVER Guidelines, the DRIVER Studies, Mentor Service, and the validator tool. It also mentions a tutorial for repository managers. Below this, there is a section titled "The DRIVER Guidelines" with text about finding information about the DRIVER Guidelines v2.0 and recent developments or contributions to the future development of the DRIVER Wiki. At the bottom, there is a note about registering a repository with DRIVER, mentioning the old DRIVER Guidelines v1.0 and the new DRIVER Validator tool.



The screenshot shows the DRIVER wiki homepage. At the top, there is a navigation bar with links: SEARCH THE REPOSITORIES, LEARN ABOUT DRIVER, FIND SUPPORT, and REGISTER YOUR REPOSITORY. Below this is a header with the DRIVER logo and the text "Digital Repository Infrastructure Vision for European Research". The main content area is titled "Home" and contains a "Space Navigation" sidebar with links to DRIVER Guidelines v2, Introduction, What's New, Use of OAI-PMH, Use of Metadata OAI_DC, Use of Best Practices for OAI_DC, Use of MPEG-21 DIDL (xml-container) - Compound object wrapping, Use of Vocabularies and Semantics, and Annex Use of Quality. The main content area is titled "Introduction" and contains text about the DRIVER guidelines wiki space, additional information and translations of the Guidelines, and the DRIVER website. It also mentions the DRIVER stands for Digital Repository Infrastructure Vision for European Research and the guidelines have been created in order to solve many problems and questions repository managers came across when installing and configuring their repositories. For every issue there are thousands of solutions, resulting in many different interpretations the way the content is exposed. The effect of this is that the content on a global scale is not that Open Accessible as been expected on the local level, because some repositories have to break the lowest principles for interoperability. At the bottom, there is a "Recently Updated" sidebar with links to Presentations (DRIVER guidelines), Type (DRIVER guidelines), Home (DRIVER guidelines), Re DRIVER Set naming (DRIVER guidelines), DRIVER Guidelines v2 (DRIVER guidelines), and DRIVER Guidelines (DRIVER by Maaschiel Bouterbeek).

www.surffoundation.nl/wiki/display/DRIVERguidelines/




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DRIVER Portal

www.driver-community.eu



DRIVER Portal: Search



Digital Repository Infrastructure Vision for European Research

SEARCH THE REPOSITORIES | LEARN ABOUT DRIVER | FIND SUPPORT | REGISTER YOUR REPOSITORY

Home | Browse | Communities | Collections | Driver Repositories

MyDriver

Home > Search Results

Search all repositories

DSpace statistics

Reset Search

Limit your search by

Document Type

Date of publication

Document Language

Repository

Selected limits

hide details

No search limits.

Search History

(DSpace AND statistics)

(DSpace AND statistics)

Search Results

Refine your search | New Search

Found 663 documents, displaying page 1 of 67

1 2 3 4 5 > >>

Improving usage statistics for RepositóriUM

Creator(s) Rodrigues, Eloy Saraiva, Ricardo Miranda, Ângelo

Description Apresentação efectuada no DSpace User Group Meeting 2007, Rome, Italy, 17-19 October 2007.

Repository RepositóriUM - University of Minho Institutional Repository

Repository Info

Language English

View document details...

Development of usage statistics for RepositóriUM

Creator(s) Rodrigues, Eloy Miranda, Ângelo

Description The usage statistics software developed at Minho University, for RepositóriUM, the institutional repository based on DSpace is presented. The system was developed based on the principles and some of t ... Apresentação efectuada no DSpace User Group Meeting: "Dugnad" among the fjords, Bergen, Norway, 20 - 21 April 2006.

Repository RepositóriUM - University of Minho Institutional Repository

Repository Info

Language English

View document details...

DRIVER: Repository Registration



SEARCH THE REPOSITORIES | LEARN ABOUT DRIVER | FIND SUPPORT | REGISTER YOUR REPOSITORY

Digital Repository Infrastructure Vision for European Research

driver

Home | Registration | Validation | Studies | Statistics

Home

MyDriver

Validate your repository

Even when accepted standards, like Dublin Core and OAI-PMH, are being applied, local interpretation often compromises data quality and technical interoperability. Preliminary testing indicates that, while very few repositories are non-harvestable, only a handful deliver 100% valid XML - the result is that only limited information is made available for searching. The DRIVER team has developed a web-based tool, whose task is to check the degree of conformance with the [DRIVER guidelines \(v 1.0\)](#) and the OAI-PMH protocol.

[Find more about the validation process...](#)

Register your repository

You may request to register your repository with DRIVER, so that its contents are harvested periodically, indexed into the DRIVER platform and presented in the [DRIVER European Repository search portal](#). In this way, publicly funded research deposited in your repository can achieve wider distribution - to be read, used and cited more widely by the global research community. Repositories successfully harvested by DRIVER are entitled to display the DRIVER logo on their library website, to certify quality and global networked status of their content.

[Find more about the registration procedure...](#)

DRIVER Guidelines

The DRIVER consortium has developed a set of Guidelines for Content Providers, which aim to improve the quality of available metadata and assist DRIVER in integrating and simplifying the use of these metadata by the [DRIVER search portal](#) and other service providers. Managers of new repositories may use them to define their local data-management policies; managers of existing repositories may take advantage of them in order to take steps towards improved services; developers of repository platforms in order to add supportive functionalities in future versions.

[Get more information on repository managers issues...](#)

Explore the European landscape

Within the DRIVER project, three strategic studies on digital repositories and related topics have been carried out. They provide an excellent survey for best practices, methodologies and technologies used throughout the European data space.

- [Inventory study into the present type and level of OAI compliant Digital Repository activities in the EU](#)
- [A DRIVER's Guide to European Repositories; Five studies of important Digital Repository related issues and good practices](#)
- [The Investigative Study of Standards for Digital Repositories and Related Services](#)

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DRIVER: Community building and support

[SEARCH THE REPOSITORIES](#) | [LEARN ABOUT DRIVER](#) | [FIND SUPPORT](#) | [REGISTER YOUR REPOSITORY](#)



Digital Repository Infrastructure Vision for European Research



Home	»
Information for ...	»
Learn about...	»
Mentoring Service	»
News & Events	»
FAQ	»
Links & Publications	»
DRIVER Wiki	»
Contact Us	»

Home

Welcome to the DRIVER Support website

Here you can access information and support relating to Open Access and digital repositories. Digital repositories can help make research information more widely available, more widely used, and improve the process of research itself. Information of interest to specific user groups is available as well as information about the DRIVER project.

DRIVER II, a project funded by the 7th Framework Programme of the European Commission, is the continuation of the DRIVER project. DRIVER II will extend the geographical coverage step-by-step and will move from a test-bed to a production-quality infrastructure. As part of DRIVER II this site is being revised to reflect new developments and the wider remit of the DRIVER II project. D-NET, a key development of DRIVER II is now available for download from the [Learn About DRIVER](#) website.

This site holds details on the state of development of repositories in different European countries and how you can join this growing European network.

You may share information and news from your own country via the [DRIVER Wiki](#) and can benefit from the experience of others, and share your experiences, through the [Mentor Service](#).

You can also want to suggest events or announce news on this site that other visitors may find useful.

For access to DRIVER Tools, DRIVER Search and to access and re-use the DRIVER Infrastructure please go to the DRIVER Portal <http://www.driver-community.eu/>.

Last updated: 14-Nov-2008



DRIVER: Community building and support

The screenshot shows a web browser window displaying the DRIVER Wiki Home Page. The browser's address bar is empty, and the Windows taskbar is visible at the bottom. The webpage has a blue header with the 'driver wiki' logo on the left and the title 'DRIVER Portal' on the right. Below the logo is a sidebar menu with links to 'DRIVER Support Web', 'DRIVER Wiki' (with sub-links for General Topics, Guidelines, European Union, Non-EU Europe, and Rest of the World), 'Restricted Pages' (with a link to Content Network Group), and 'PmWiki Software' (with links for Basic Editing, WikiSandbox, and Driver Wiki Admin). The main content area is titled 'DRIVER Wiki Home Page' and includes a 'Welcome to the DRIVER Wiki.' message. It explains the purpose of the wiki, provides contact information for contributions, and offers guidelines for editing and content development. The page is signed off by 'The DRIVER Support Team'.

DRIVER Portal

Recent Changes - Search: Go

View Edit History Print

driver wiki

DRIVER Support Web

DRIVER Wiki

- General Topics
- DRIVER Guidelines
- European Union
- Non-EU Europe
- Rest of the World

Restricted Pages

- Content Network Group

PmWiki Software

- Basic Editing
- WikiSandbox
- Driver Wiki Admin

[Main /](#)

DRIVER Wiki Home Page

Welcome to the DRIVER Wiki.

The purpose of this wiki is to provide a home for community contributions from across Europe, to create a dynamic and updatable picture of open access activity in the EU.

If you would like to contribute to this wiki please email us at info@driver-support.eu for a password. To ensure that as many people as possible can read your contribution we recommend that you write in a major European language.

The basic structure of the wiki showing different countries should remain intact. We suggest that individual country pages are left to the editorship of people within that country, with local knowledge, to ensure its accuracy and relevance. We have also put suggested headings underneath each country's page to try to get some degree of commonality across the different pages.

However, beyond this, the information that is provided under each country is really up to the contributors. For example, you might like to note the particular funding environment in your country, or list some significant institutions or people that are working in your country, or note any local, or international, conferences or events that are being held. For more ideas have a look at how other country pages have been developed.

To facilitate community development contributors to the wiki may if they wish provide their contact details in the relevant section at the bottom of each wiki page.

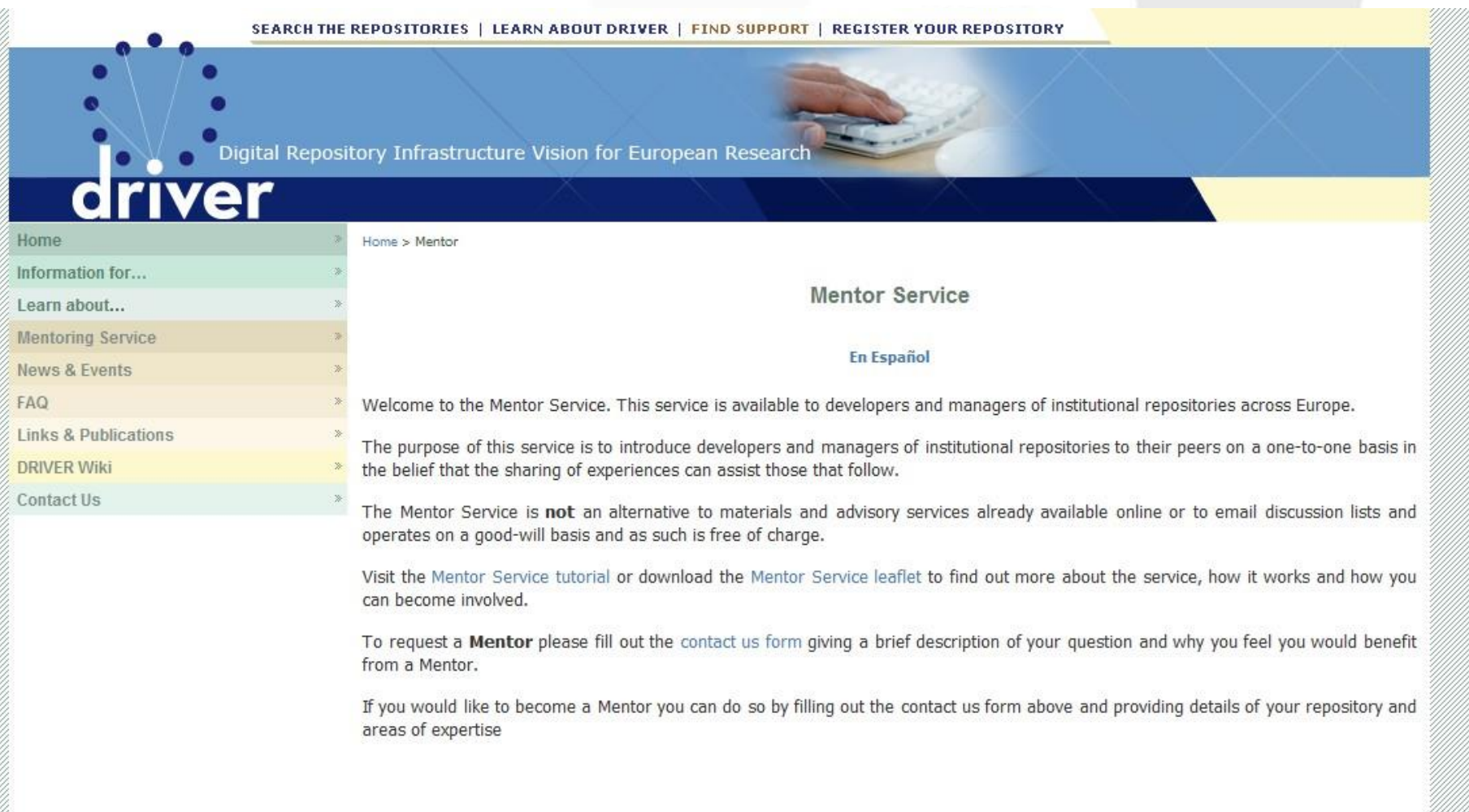
As material develops in maturity or when material has long-term interest or relevance, then this may be taken through into the main DRIVER-Support website.

The [basic editing](#) page describes how to create pages in PmWiki. You can practice editing in the [wiki sandbox](#).

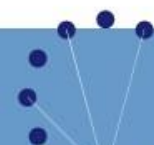
We hope that this provides a useful and enjoyable tool for the European open access repository community. Do get in touch with us with any suggestions, info@driver-support.eu.

The DRIVER Support Team

DRIVER: Community building and support



SEARCH THE REPOSITORIES | LEARN ABOUT DRIVER | FIND SUPPORT | REGISTER YOUR REPOSITORY

 Digital Repository Infrastructure Vision for European Research

driver

- Home » Home > Mentor
- Information for...
- Learn about...
- Mentoring Service
- News & Events
- FAQ
- Links & Publications
- DRIVER Wiki
- Contact Us

Mentor Service

[En Español](#)

Welcome to the Mentor Service. This service is available to developers and managers of institutional repositories across Europe.

The purpose of this service is to introduce developers and managers of institutional repositories to their peers on a one-to-one basis in the belief that the sharing of experiences can assist those that follow.

The Mentor Service is **not** an alternative to materials and advisory services already available online or to email discussion lists and operates on a good-will basis and as such is free of charge.

Visit the [Mentor Service tutorial](#) or download the [Mentor Service leaflet](#) to find out more about the service, how it works and how you can become involved.

To request a **Mentor** please fill out the [contact us form](#) giving a brief description of your question and why you feel you would benefit from a Mentor.

If you would like to become a Mentor you can do so by filling out the contact us form above and providing details of your repository and areas of expertise

How does DRIVER relate to national repository communities?

- National communities are usually represented by country “correspondents”
 - One institution or a group of institutions takes responsibility to build a national repository community (like DARENet-NL, SHERPA-UK, OA-Netzwerk-GE, RECOLECTA-ES, HAL-FR)
- Country “correspondents” ...
 - Maintain the national repository information on the DRIVER Wiki
 - Organise repository events in their countries
 - Translate repository guidelines and other relevant information into national languages
 - Build up national data aggregators, clean data, can offer additional services

DRIVER: Building an organization (confederation)

- DRIVER sees it's mission as
 - Catalyst for a global repository infrastructure
 - Develop and maintain the European repository infrastructure node
- Initiatives
 - DRIVER Advisory Board (July and November 2008)
 - International Repositories Workshop (March, 2009)
- DRIVER liaises with institutions and initiatives from most European countries, U.S., Canada, Latin America, China, Japan, India and Africa
- DRIVER has signed MoUs with SPARC Europe, LIBER, eIFL, Recolecta Spain, OA-Netzwerk Germany and DRF Japan

Establishing a „Confederation“ of Repository Communities

- One of the objectives of DRIVER II has been the building of an organization around the DRIVER infrastructure, capable of maintaining it over time
- A consultation and investigative process was carried out to define the organizational model, scope and shape of such an organization. Main conclusions:
- Launch a new organization with two main goals:
 - ⦿ continue the DRIVER network as an operation
 - ⦿ work globally at the spread of Open Access Repositories
 - influencing policy development
 - providing guidance and training
 - Lobbying
- New organization will be a lightweight organization, a “registered not-for-profit” Association under German jurisdiction (*eingetragener Verein, e.V.*)

COAR Aim

- *COAR is an international not-for-profit association that aims to promote greater visibility and application of research outputs through global networks of Open Access digital repositories.*

COAR: Objectives (extract)

- support and coordination of global collaborative efforts towards high-quality Open Access data and interoperable systems;
- reference point for repository standardization efforts, the repository community platform and to be the venue for discussion and meetings working towards streamlining OA repository developments;
- advocacy of consistent policy formulation on institutional repository development;
- supporting the formalisation of OA mandates by research funders and institutions;
- offering the international framework for further advanced technical and functional developments in the context of global digital repository infrastructures;
- promoting the interoperable development of equivalent local, regional, national and international infrastructures that subscribe to the COAR vision.

Joining COAR

○ Membership:

- Full membership - any legal entity comprising institutions and organisations engaged in research and teaching
- Affiliate membership - organizations or persons insofar as these may be employed in institutions and organisations and engaged to a notable extent in the achievement of the aims of the Association

○ A nominal membership subscription of €100 is envisaged in the first year, with banded subscriptions thereafter, based on organisational budget, to be agreed by the first General Assembly. COAR will also offer alternative forms of participation based on contributions in kind to allied organisations.

○ COAR will be launched during Open Access Week 2009 – Ghent, Belgium, 21 of October

Where can you get more information about DRIVER and COAR?

- Go to the **DRIVER Portal**:
www.driver-community.eu
- Contact the **DRIVER Helpdesk**,
helpdesk@driver-support.eu
- Contact Dale Peters (peters@sub.uni-goettingen.de) to register your interest in becoming a member of COAR